

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/03/02852

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G21F5/12 B22D19/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G21F B22D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	DE 34 05 733 A (STEAG KERNENERGIE GMBH) 29 August 1985 (1985-08-29) page 5, line 14-21 page 7, line 23-32 page 11, line 18 -page 12, line 20 page 14, line 11 -page 15; figure 6 ---	1,2,4,5, 8-10,13 3
X	US 4 508 969 A (JANBERG KLAUS ET AL) 2 April 1985 (1985-04-02) column 1, line 6-8 column 2, line 14-26 column 2, line 64 -column 3, line 39 column 3, line 67 -column 4, line 5; figures 4-7 --- -/--	1,2,4,5, 8-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

24 February 2004

Date of mailing of the international search report

05/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Jandl, F

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/02852

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 34 05 735 A (STEAG KERNENERGIE GMBH) 29 August 1985 (1985-08-29) page 4, line 12-17 page 6 page 10, line 21 -page 11, line 13; figures 2,4 ---	1,2,6, 8-10
Y	US 3 116 767 A (JEAN BLIN ET AL) 7 January 1964 (1964-01-07) column 1, line 11-22 column 1, line 43 -column 2, line 15; figure 1 ---	3
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02, 30 January 1998 (1998-01-30) & JP 09 262658 A (AISIN SEIKI CO LTD), 7 October 1997 (1997-10-07) abstract -----	1-3

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/03/02852

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 3405733	A	29-08-1985	DE	3405733 A1	29-08-1985
US 4508969	A	02-04-1985	EP	0042882 A1	06-01-1982
			AT	15956 T	15-10-1985
			CA	1181036 A1	15-01-1985
			DE	3071142 D1	07-11-1985
			JP	57040697 A	06-03-1982
DE 3405735	A	29-08-1985	DE	3405735 A1	29-08-1985
US 3116767	A	07-01-1964	FR	1279226 A	22-12-1961
			BE	596008 A	
			CH	371191 A	15-08-1963
			GB	946313 A	08-01-1964
			LU	39284 A1	14-12-1960
JP 09262658	A	07-10-1997	NONE		

Page Blank (uspto)